NAME:SYEDA MARIUM FAHEEM SECTION C

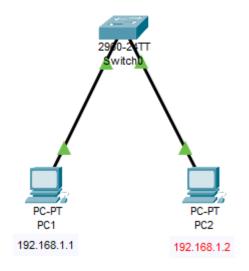
LAB # 2 SIMULATING METHOD

Objective

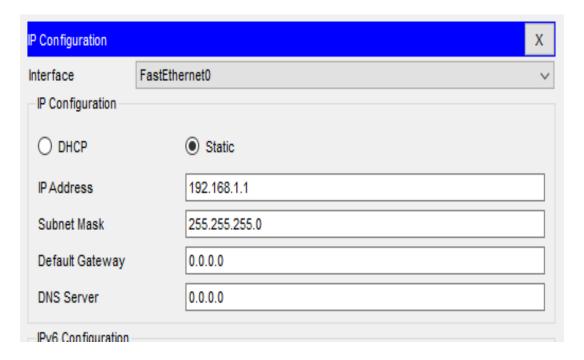
To become familiar with the network simulator Packet Tracer

CLASS ASSIGNMENTS

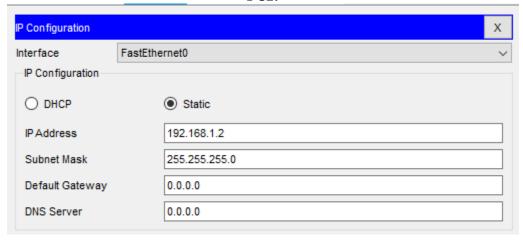
TOPOLOGY



• CONFIGURATION PC1:



PC2:



Results:

Successful Ping by PC1 to PC2

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time<lms TTL=128

Ping statistics for 192.168.1.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

Successful Ping by PC2 to PC1

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=lms TTL=128
Reply from 192.168.1.1: bytes=32 time<lms TTL=128
Reply from 192.168.1.1: bytes=32 time=lms TTL=128
Reply from 192.168.1.1: bytes=32 time=lms TTL=128
Reply from 192.168.1.1: bytes=32 time=3ms TTL=128

Ping statistics for 192.168.1.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 3ms, Average = 1ms
```

HOME ASSIGNMENTS

Q 1: Differentiate between three simulation methods.

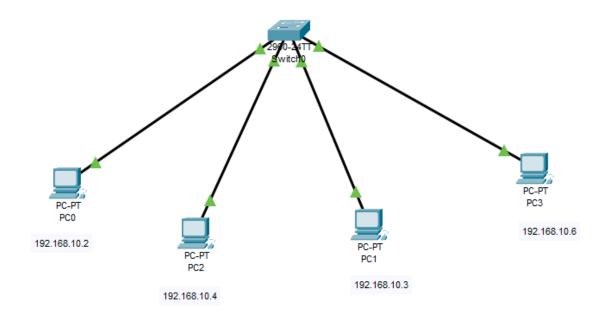
A 1: **Real-time**: Real-time is typically considered to be at the time that the code is running or as the action is happening

Simulation: Simulation is a technique, a software program that models the behaviour of a network by calculating the interaction between the different network entities (routers, switches, nodes, access points, links etc.

Ping: Ping is a quick and easy utility to tell if the specified server is reachable and how long will it take to send and receive data from the server

Q 2: Perform these simulation method connecting more than 2 PC's.

A 2



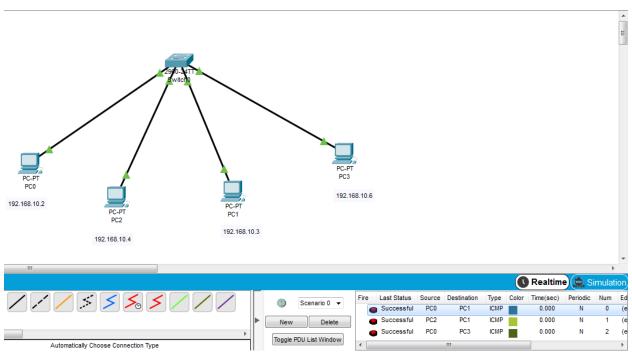
In Ping

```
Command Finite

C:\pping 192.168.10.4 with 32 bytes of data:

Reply from 192.168.10.4: bytes=32 time=2ms TTL=128
Reply from 192.168.10.4: bytes=32 time<1ms TTL=128
Reply from 192.168.10.2: bytes=32 time<1ms TTL
```

> Real Time



> In Simulation

